Hammer ACE

Emergency Communications

Air Force Space Command

Hammer ACE

Adaptive Communications Element

51 CBCS/SCHA
Hammer ACE
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This Briefing Is:
UNCLASSIFIED

Overview

- Mission
- Benefits
- Recent Missions
- Capabilities
- Contact Information

Hammer ACE Mission Overview

- Hammer ACE provides initial quick reaction secure communications response capability
- Worldwide deployable in support of nuclear and aircraft mishaps events
- Domestic or terrorist chemical, biological, radiological, nuclear, and high yield explosive events
- Civil Support, consequence management actions: natural disaster/civil relief operations
- Other DoD and DHS Emergency Operations.

Benefits

- **FREE- Hammer ACE funded emergency support**
- **Rapidly Mobile- deployable within 3 hrs**
- **Small Team Size- 3 personnel per team**
- **Flexible-“Your Office in the Field”**
- **Commercial Off-the-Shelf Equipment**
  - **Keep up with the Leading Edge of Technology**
- **Experience- Continuity from mishap to mishap**

Recent Missions

- Sep 05, Hurricane Katrina, Keesler AFB, MS
- Sep 05, Hurricane Rita, San Antonio, TX
- Jan 06, NASA New Horizons Launch Support, Reunion Island
- Jan 06, Navy T-39 Mishap, Walker County, GA
- Jun 06, Joint/Combined NUWAX CAPEX ‘06, F.E. Warren AFB, WY
- Nov-Dec 06, NUWAX VIGILANT SHIELD ’07, DM AFB, AZ
- Jan 07, ANG F-16 Mishap, Lone Pine, CA
- Mar 07, DICE ’06, JTF-CS, Ft. Monroe, VA
- Jun 07, AF F-15 Mishap, Eielson AFB, AK
- Feb 08, Joint Task Force – Operation Burnt Frost, McGuire AFB, NJ
- Mar 08, DICE ’08, JTF-CS, Ft. Monroe, VA
- Jun 08, ARDENT SENTRY ‘08, Ft Lewis, WA
- Aug 08, Hurricane Gustav, Keesler AFB, MS
- Apr 09, F-22 Mishap, Edwards AFB, CA
- Sep 09, NUWAIX ‘09 Nuclear Accident Ex, F.E. Warrens AFB, WY
- Sep 09, F-16 Mishap, Dugway Proving Grounds, Utah
- Feb 10, Navy MH-60S Mishap, Snowshoe Mountain, WV
- Jun 10, AFGSC RTF FTX, Malmstrom, MT
- Aug 10, VIBRANT RESPONSE 11.1, Fort Leavenworth, MO
- Jun 11, Navy T-45 Mishap, Alice, TX

Field Capabilities

- Secure Communications (all voice securable to TS)
  - SIPRNET access
  - Up Channel SITREPs
  - Coordinate recovery or relief operations
  - Coordinate safe removal of UXOs
  - Coordinate/assist removal of hazardous aircraft components
  - Discuss classified aircraft information
  - Prevent communications intercept/exploitation by unauthorized individuals or media agents

Typical Field Capabilities cont'd

- **Non-Secure Communications**
  - **Arrange daily mission requirements**
  - **Coordinate manpower**
  - **Coordinate site life support**
  - **Request air support**
  - **Interview witnesses**
  - **Access remote LAN**
  - **Provide imagery documentation**
  - **Plot component location**

CAPABILITIES

Satellite Communications

Additional Services

Intra-Site Communications

Power Options

Satellite Communications

- International Maritime Satellite (INMARSAT)
  - Provides worldwide commercial telephone/data access
  - BGAN INMARSAT will support bandwidth from 64k to 492Kbps or up to 256 Kbps streaming
  - Available PSTN, ISDN, and LAN connections

Iridium

- **Immediate worldwide telephone access via hand-held unit**
- **Securable up to Top Secret**
- **Provides DSN acce**

UHF/SHF Tactical Radio

- Connect to Response Task Force DAMA networks
- Point to Point SATCOM capability for dedicated line
- Compatible with LMR intra-site network
- Provides ground-to-air LOS communications

ACU 1000

- **Flexible interface for audio device**
- **Remote control capability**
- **Provides interoperability between all supporting agencies on site**

Intra-Site Communications

- Land Mobile Radios
  - Securable, repeated network
  - Permanent CONUS frequency assignment
- Ground-to-Air
  - Compatible with all DoD fixed and rotary wing aircraft
  - Operable in man pack configuration

Power Options

- Batteries
  - Portable batter packs
  - Vehicle battery
- Solar Blankets
- Inverters
- Commercial power

Additional Services

- Still Imagery/Video Systems
  - Electronic image transmission capability
  - Digital Stills & Digital Video
  - VTC (securable up to TS) & bridgeable via DISA DVS network (DVS II IP network in Mar 07)
- GPS receiver (field mapping ability)
- Laptop computers—
  - NIPR
  - SIPR
- Printer, CD Burner & Scanner
- Intelligent Interconnect System (ACU-1000)

Hammer ACE Contact Info

- During Duty Hours contact Hammer ACE directly at DSN 472-5785, or commercial (478) 222-5785.
- Emergency Support & after duty hours: Contact Robins Command Post:
  - DSN 497-2612
  - Commercial (478) 327-2612
- Mailing Address: 51 CBCS/SCHA
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